

IN THE CLAIMS:

Please cancel claims 4-6 and 9-17 without prejudice to pursue the subject matter of these claims in a continuation application to be filed in the future. Please amend claims 1-3 as follows:

- C37
Sub D1
- 1. (amended) A monoclonal antibody which recognizes and binds an N-terminal portion of a Prostate Stem Cell Antigen (PSCA) protein consisting of amino acids 2 through 50 or a portion thereof as described in SEQ ID NO:2 . --
- 2. (amended) A monoclonal antibody which recognizes and binds a middle portion of a Prostate Stem Cell Antigen (PSCA) protein consisting of amino acids 46 through 109 or a portion thereof as described in SEQ ID NO:2 . --
- 3. (amended) A monoclonal antibody which recognizes and binds a C-terminal portion of a Prostate Stem Cell Antigen (PSCA) protein consisting of amino acids 85 through 123 or a portion thereof as described in SEQ ID NO:2 . --

Please add new claims 18-35 as follows:

- rule 12b C38
Sub D2
- 18⁶⁷. (new) The monoclonal antibody of claim 1, 2, or 3 which is a chimeric antibody. --
- 19⁷⁰. (new) The monoclonal antibody of claim 18⁶⁹, wherein the chimeric antibody comprises a murine immunoglobulin variable region and a human immunoglobulin constant region. --
- 20⁷¹. (new) The monoclonal antibody of claim 1, 2, or 3 which is a human antibody. --
- 21⁷². (new) The monoclonal antibody of claim 20⁷¹, wherein the human antibody comprises a human immunoglobulin constant region. --

⁷³
~~--22.~~ (new) The monoclonal antibody of claim 1, 2, or 3 which is internalized by a cell expressing Prostate Stem Cell Antigen (PSCA). --

⁷⁴
~~--23.~~ (new) A hybridoma which produces the monoclonal antibody of claim 1, 2, or 3. --

⁷⁵
~~--24.~~ (new) A fragment of the monoclonal antibody of claim 1, 2, or 3 which is selected from a group consisting of Fab, F(ab')₂, and Fv. --

⁷⁶
~~--25.~~ (new) A recombinant protein comprising the antigen binding region of the monoclonal antibody of claim 1, 2, or 3. --

⁷⁷
~~--26.~~ (new) An immunotoxin comprising the recombinant protein of claim ⁷⁶~~25~~ conjugated with a therapeutic agent. --

⁷⁸
~~--27.~~ (new) The immunotoxin of claim ⁷⁷~~26~~, wherein the therapeutic agent is a radioactive isotope. --

⁷⁹
~~--28.~~ (new) The immunotoxin of claim ⁷⁶~~27~~, wherein the radioisotope is selected from a group consisting of ²¹²Bi, ¹³¹I, ¹³¹In, ⁹⁰Y and ¹⁸⁶Re. --

⁸⁰
~~--29.~~ (new) The immunotoxin of claim ⁷⁷~~26~~, wherein the therapeutic agent is a cytotoxic agent. -

⁸¹
~~--30.~~ (new) The immunotoxin of claim ⁸⁰~~29~~, wherein the cytotoxic agent is selected from a group consisting of ricin, ricin A-chain, doxorubicin, daunorubicin, taxol, etiduum bromide, mitomycin, etoposide, tenoposide, vincristine, vinblastine, colchicine, dihydroxy anthracin dione, actinomycin D, diphtheria toxin, *Pseudomonas* exotoxin (PE) A, PE40, abrin, arbrin A chain, modeccin A chain, alpha-sarcin, gelonin, mitogellin, retstrictocin, phenomycin, enomycin, curicin, crotin, calicheamicin, sapaonaria officinalis inhibitor, and glucocorticoid. --

82
--31. (new) An immunoconjugate comprising the antibody of claim 1, 2, or 3 conjugated with a therapeutic agent. --

83
--32. (new) The immunoconjugate of claim 31, wherein the therapeutic agent is a radioactive isotope. --

84
--33. (new) The immunoconjugate of claim 32, wherein the radioisotope is selected from a group consisting of ^{212}Bi , ^{131}I , ^{131}In , ^{90}Y and ^{186}Re . --

C38 85
--34. (new) The immunoconjugate of claim 31, wherein the therapeutic agent is a cytotoxic agent. --

Sub D 86
--35. (new) The immunoconjugate of claim 34, wherein the cytotoxic agent is selected from a group consisting of ricin, ricin A-chain, doxorubicin, daunorubicin, taxol, ethidum bromide, mitomycin, etoposide, tenoposide, vincristine, vinblastine, colchicine, dihydroxy anthracin dione, actinomycin D, diptheria toxin, *Pseudomonas* exotoxin (PE) A, PE40, abrin, arbrin A chain, modeccin A chain, alpha-sarcin, gelonin, mitogellin, retstrictocin, phenomycin, enomycin, curicin, crotin, calicheamicin, sapaonaria officinalis inhibitor, and glucocorticoid. --